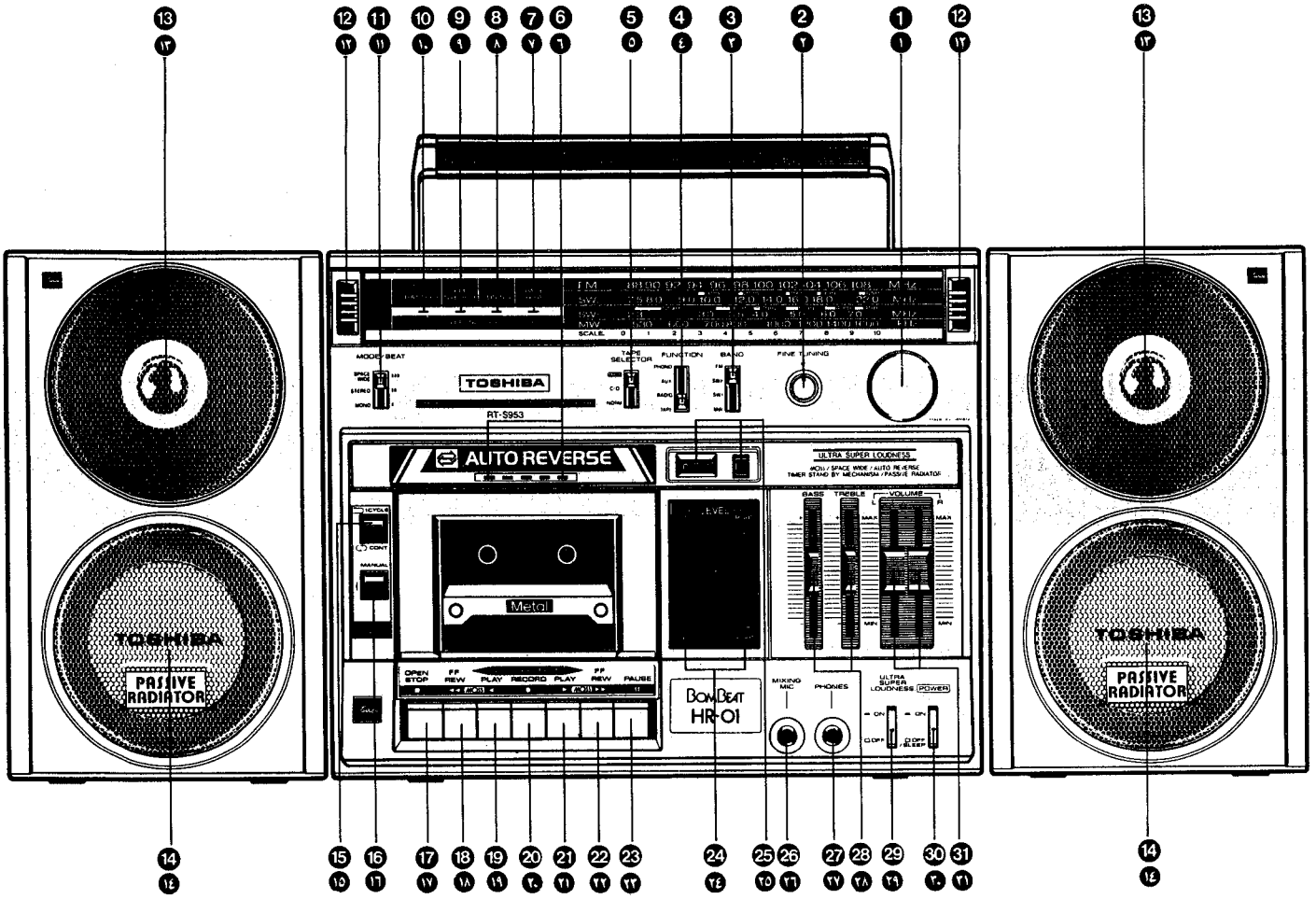
OWNER'S MANUAL

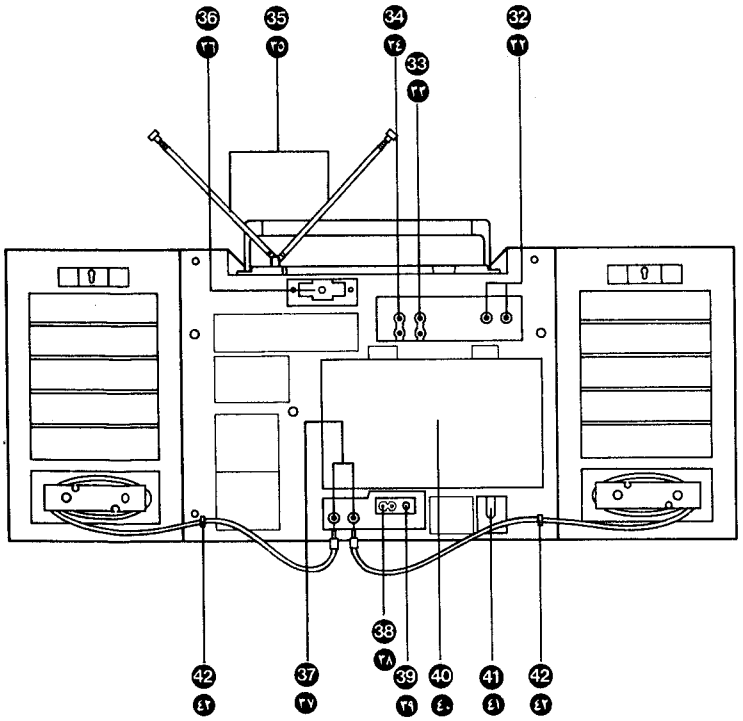
TOSHIBA

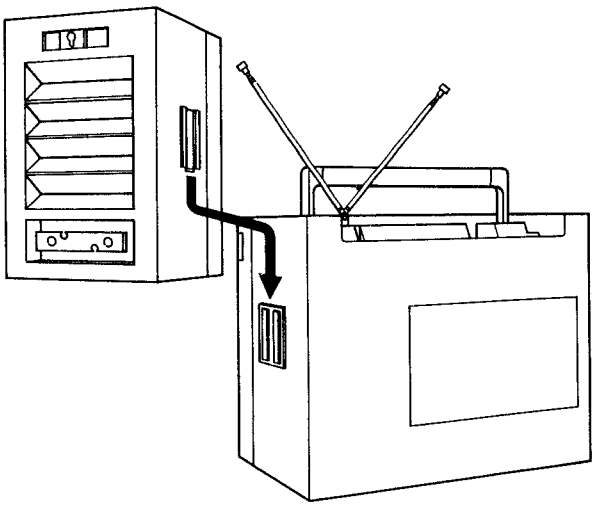
STEREO RADIO CASSETTE RECORDER

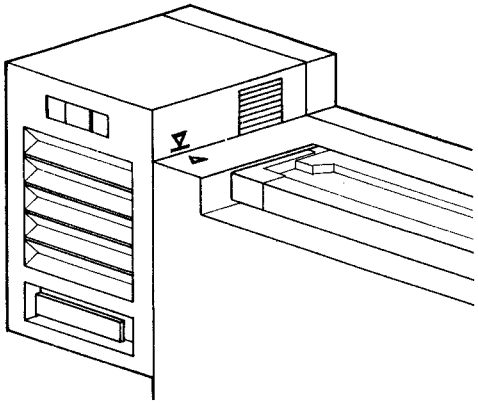
RT-S953

CONTROL FUNCTIONS
FUNCIONAMIENTO DE LOS CONTROLES
각부의 명칭
الضوابط ومفاتيح التشغيل ومهامها









CONTROL FUNCTIONS

❶ **Tuning knob**
❷ **[FINE TUNING] Control**
❸ **[BAND] Selector: MW/SW1/SW2/FM**
❹ **[FUNCTION] Selector: TAPE/RADIO/AUX/PHONO**
❺ **[TAPE SELECTOR] Selector: NORM/CrO_2/Metal**
❻ **Tape Running Indicators**
❼ **[SPACE WIDE] Indicator**
❽ **[TUNING] Indicator**
❾ **[FM STEREO] Indicator**
❿ **[BATTERY] Indicator**
⓫ **[MODE/BEAT] Selector: MONO/STEREO/SPACE WIDE–I/II/III**
⓬ **Built-in Microphones**
⓭ **Speakers**
⓮ **Passive Radiators**
⓯ **Cycle Change Lever for AUTO REVERSE: 1 CYCLE/CONT**
⓰ **CH (channel) Change Lever for AUTO REVERSE: MANUAL**
⓱ **[■STOP/OPEN] Key**
⓲ **[◀◀REW/FF] Key**
⓳ **[◀PLAY] Key**
⓴ **[●RECORD] Key**
㉑ **[▶PLAY] Key**
㉒ **[▶▶REW/FF] Key**
㉓ **[IIPAUSE] Key**
㉔ **Level Meters**
㉕ **Tape Counter/Counter Reset Button**
㉖ **[MIXING MIC] Jack**
㉗ **[PHONES] Jack**
㉘ **[TONE] Control**
㉙ **[ULTRA SUPER LOUDNESS] Switch**
㉚ **[POWER] Switch: ON–OFF/SLEEP**

Note: In the OFF/SLEEP position the mains power will still be supplied. Therefore, when not in use unplug the cord from the socket.

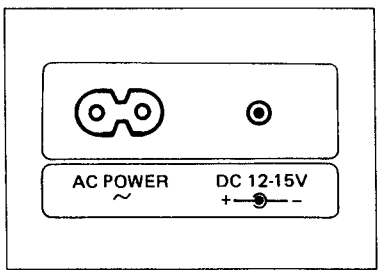
㉛ **[VOLUME] Control**
㉜ **[MIC] Jacks**
㉝ **[LINE OUT] Jacks**
㉞ **[AUX/PHONO] Jacks**
㉟ **Telescopic Antennas**
㊱ **[PHONO] Terminal**
㊲ **[SPEAKER] Jacks**
㊳ **[AC POWER] Socket**
㊴ **[DC 12-15V] Jack**
㊵ **Batteries Compartment**
㊶ **Voltage Selector**
㊷ **Speaker Cord Holder**

Note: Insert the speaker cord holder into the rear aperture of the set, and thread the speaker cord through the holder to prevent cord slack.

POWER SUPPLY

■ Batteries (optional)

Open the battery cover, insert 10 dry cells (SUM-1 "D" size) observe correct polairty (+, –) indication.



■ To check the condition of the batteries

When the set is switched on, the [BATTERY] indicator ❿ should light up. If it fails to light, the batteries have run down, and all 10 batteries must be replaced with fresh SUM-1"D" size batteries.

AC POWER

The voltage selector ㊶ selects line voltage from 100-115, 120-127, 200-220 and 230-250 V AC. The voltage selector located on the rear of the set is pre-set at 230-250 V AC. Connect one end of the power cord to [AC POWER] socket ㊳ and the other end to an AC outlet.

Precautions on power source changeover

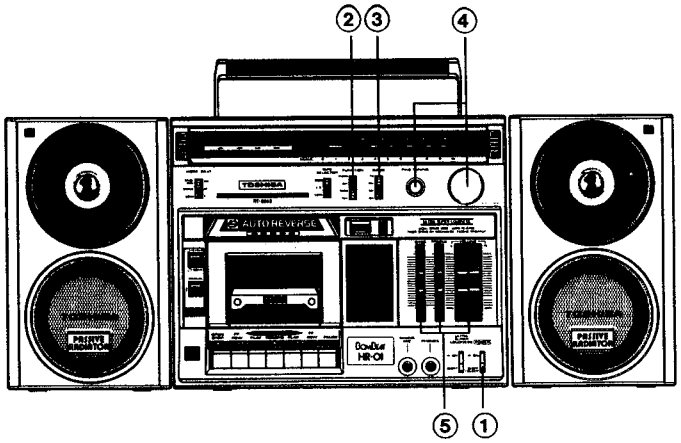
Prior to changing over the voltage selector ㊶, confirm the local voltage of the current to which this cassette recorder is to be connected. Should it be inadvertently connected to the wrong voltage, trouble may result.

For voltage selector changeover

After unplugging the power cord from its outlet, use a flat-head screwdriver to set the voltage selector to the local line voltage, and connect one end of the power cord to [AC POWER] socket ㊳ and other end an AC outlet.

● For the details of the Auto Reverse feature see page 6.

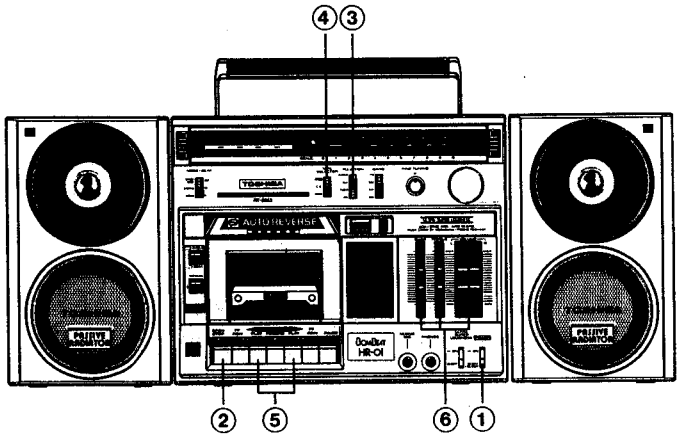
1 Listening to the Radio



① Press the [POWER] push switch into ON (in) position.
② Set the [FUNCTION] selector to the "RADIO" position.
③ Set the [BAND] to desired position.
④ Turn the tuning knob and [FINE TUNING] knob to tune in the desired radio station. The [TUNING] indicator will light up when the station is tuned.
⑤ Adjust the [VOLUME] and [TONE] controls.

Note: Use the [FINE TUNING] control for MW/SW1/SW2 radio broadcasts only. Adjust the direction and length of the telescopic antennas to obtain optimum sound when listening to FM radio broadcast. When listening to SW broadcasts, stand the front antenna upright and extend it as far as possible.

2 Listening to Tapes

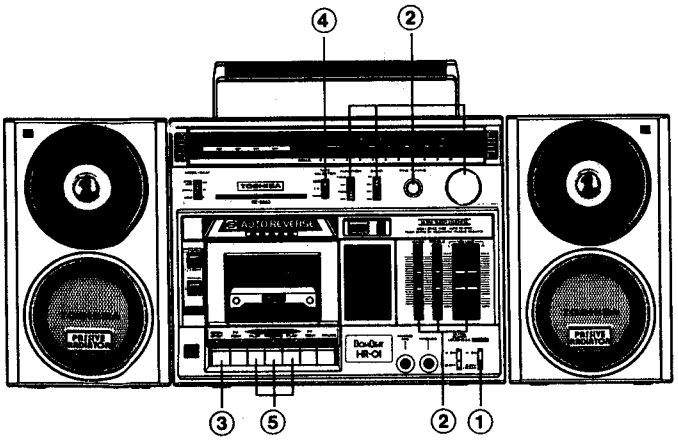


① Press the [POWER] push switch into ON (in) position.
② Press the [■STOP/OPEN] key to open the cassette compartment, and insert a recorded tape.
③ Set the [FUNCTION] selector to the TAPE position.
④ Set the [TAPE SELECTOR] according to the type of the tape you use.
⑤ Press the [◀PLAY] key or [▶PLAY] key to start the tape.
⑥ Adjust the [VOLUME] and [TONE] controls.

Full Auto Shut-Off (ASO) Mechanism

When the end of the tape is reached during playback, recording, fast forward or rewind modes, the ASO mechanism automatically stops the tape and disengages the tape transport. However, the power to the set will remain on after the ASO mechanism is activated. To turn off the power press the [POWER] push switch again to the OFF (out) position.

3 Recording Radio Broadcasts



① Press the [POWER] push switch into ON (in) position.
② Tune to the desired station as described above under "Listening to the Radio".
③ Press the [■STOP/OPEN] key, and insert a blank tape.
④ Set the [TAPE SELECTOR] according to the type of the tape you use.
⑤ Press the [●RECORD] and [◀PLAY] keys or [●RECORD] and [▶PLAY] keys together.

- If a whistling sound is audible in MW programme recording, change the [MODE/BEAT] selector to another position. Confirm that there is NO whistling sounds.
- Since the RT-S953 has been designed with an automatic recording level adjustment circuit (ALC), a suitable recording lever will be set automatically without any further operations. Furthermore, this set also features a "variable monitor system" permitting the listener to change the listening volume without effecting the recording level.

4 Recording via Built-in Microphones

① Press the [POWER] push switch ㉚ into ON (in) position.
② Press the [■STOP/OPEN] key ⑰ and insert a blank tape.
③ Set the [FUNCTION] selector ❹ to the TAPE position.
④ Press the [●RECORD] ⑳ and [◀PLAY] ⑲ key or [●RECORD] ⑳ and [▶PLAY] ㉑ key together.

5 Recording with External Microphones

Plug external microphones (optional) into the [MIC] jacks ㉜ in the rear of the set, and then proceed in exactly the same way as described above for "Recording via Built-in Microphones."

6 To Listen To or Record From a Phono-Disc and External Equipment

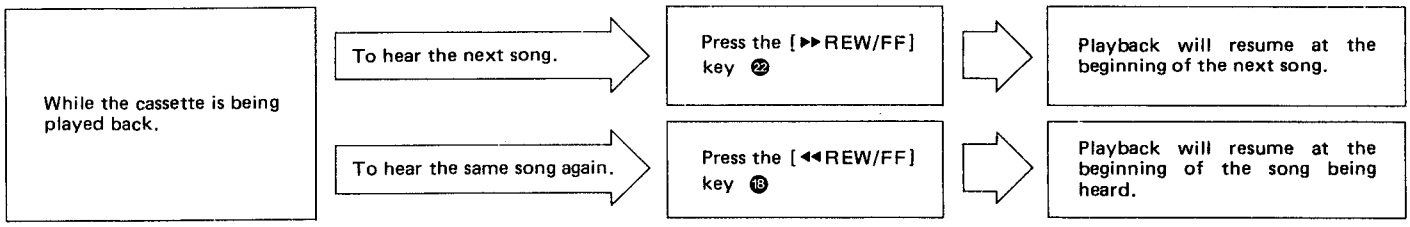
To listen to or record from a phono-disc player or other source equipment, connect the source to the rear [AUX/PHONO] jacks ㉞ and then set the [FUNCTION] switch ❹ to PHONO or AUX.
To record the source program place the set in the record mode.
Note: When using a phono-disc player as a source be sure to connect its ground lead to the [PHONO ⏚] terminal on the set.

7 Line Out

When another tape deck is connected to the [LINE OUT] jacks ㉝ on the back of the unit, duplicating (copying) can be performed.
After connecting the cord, operate the unit according to the sequence given in Listening to Tapes.

MQSS

■ The Music Quick Selector System (MQSS) automatically locates the beginning of each song on a cassette tape and begins playback from that point. This allows you to listen to only the selections you want to hear and also permits repeated playback of one song.
To use the MQSS function, follow the procedure shown below.
Insert the tape with its side A facing forward.
● Playing back side A:


While the cassette is being played back.
To hear the next song.
Press the [▶▶REW/FF] key ㉒
Playback will resume at the beginning of the next song.
To hear the same song again.
Press the [◀◀REW/FF] key ⑱
Playback will resume at the beginning of the song being heard.

● Playing back side B:
To locate the next tune press the [▶▶REW/FF] key ⑱. To repeat the tune you are now listening to, press the [◀◀REW/FF] key ㉒.

Note: The MQSS function will not perform correctly when.:
- The length of the blank section between songs is too short (less than 5 seconds).
- Noise is present on the blank portion of tape.
- There are very quiet passages or long pauses within a particular song.
- The recording level of the programme is very low.
- If the rewind button is pressed just after a song has begun or fast forward is pressed just before the end of a song, the MQSS function may skip back to the previous song (rewind) or advance to the second song forward (fast forward).

MIC MIXING OPERATIONS

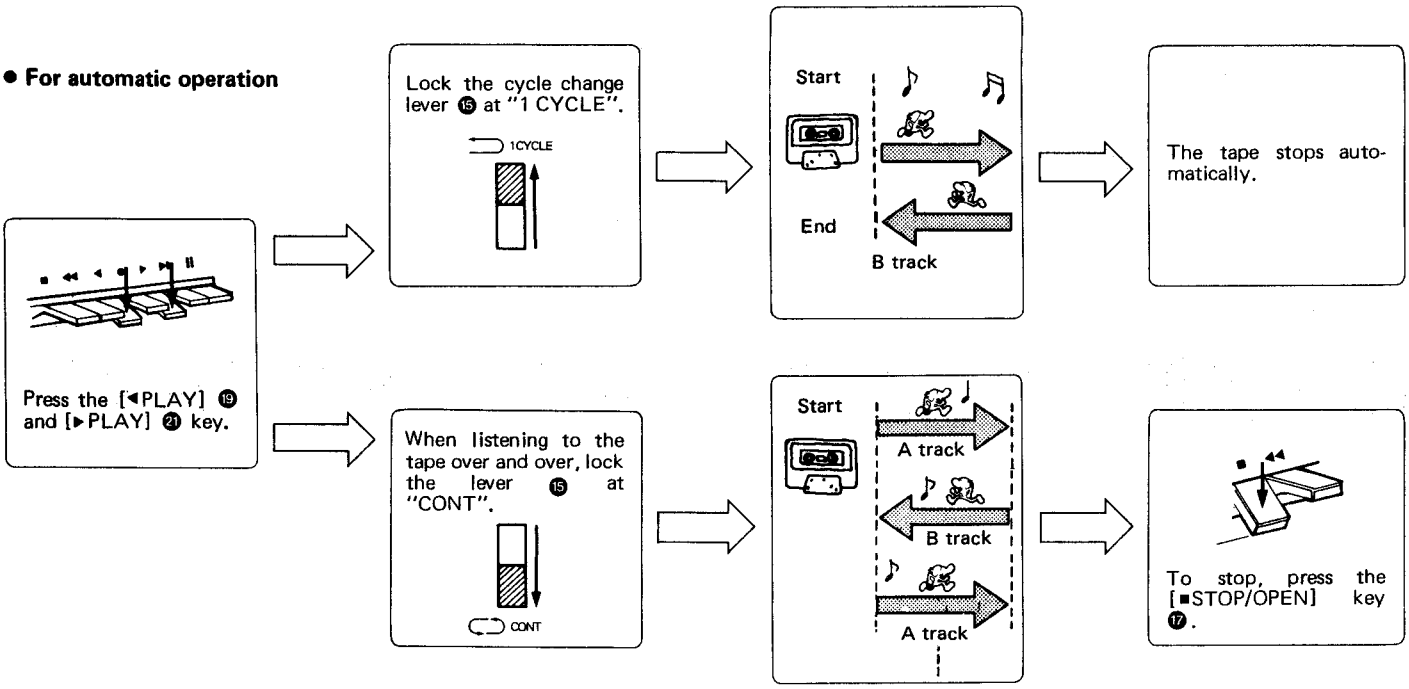
■ **Playback Mixing**
① Turn the power on.
② Select the source to be used for mixing and prepare it for playback.
③ Insert the microphone to the [MIXING MIC] jack ㉖.
④ Adjust the overall volume.
● To use as a public address system, set [FUNCTION] switch ❹ to TAPE but do not play a tape. Then adjust the volume.
If a high level of acoustic feed-back is heard from the speakers (howling), move the microphone away from the speakers or turn the volume down.

SPECIAL FEATURES

■ Auto reverse operation

The side A and the side B of the tape are played automatically.

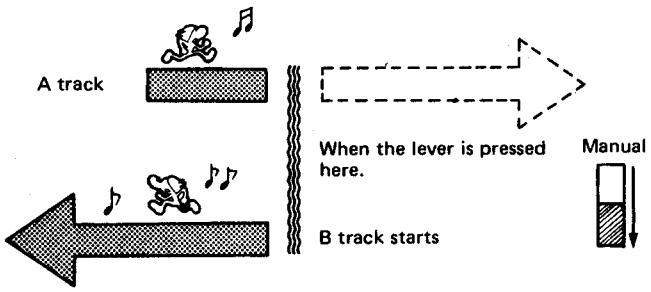
● For automatic operation


Press the [◀PLAY] ⑲ and [▶PLAY] ㉑ key.
Lock the cycle change lever ⑮ at "1 CYCLE".
1CYCLE
When listening to the tape over and over, lock the lever ⑮ at "CONT".
CONT
Start
End
B track
A track
B track
A track
The tape stops automatically.
To stop, press the [■STOP/OPEN] key ⑰.

● For manual operation

Press the CH change lever ⑯ slightly to change tracks during playback.

- Automatic reverse operation during recording is possible. (Set the cycle change lever ⑮ to "1 CYCLE".) In the case, press [●RECORD] ⑳ [◀PLAY] ⑲, and [▶PLAY] ㉑ at the same time.



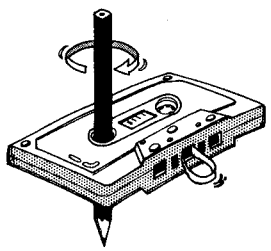
■ Ultra Super Loudness

Unlike other general loudness controls, Ultra Super Loudness is effective right up to near maximum volume level, thereby ensuring greater dynamic playback sound.

CASSETTE TAPE

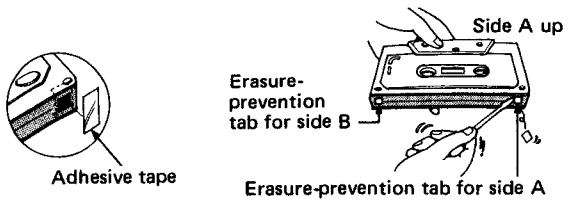
Cassette Loading

Before loading a cassette, always take up any tape slack with your fingernail or a pencil to prevent the tape from entangling around the capstan.



Erasure Prevention Tabs

This cassette recorder has an erasure safety device. To prevent accidental erasure of a recorded tape, remove the tab as illustrated. To enable recording of a tape after removal of these tabs, cover the holes with adhesive tape.



OPERATING HINTS

- The Sleep switch shuts off the operation of the set after you sleep:
  ① Tune in the desired station.
  ② Set the Cycle Change lever ⑮ to "1 CYCLE".
  ③ Insert a tape and press the [▶PLAY] key ㉑ and then [◀PLAY] key ⑲ simultaneously.
  ④ Set the [POWER] push switch ㉚ to ⊓ OFF/SLEEP position.

Note: 1. The sleep timer won't work if the Cycle Change lever ⑮ is set at "CONT".
2. If you wish to record the radio program, place the set in the record mode. The set will be shut off when the end of the tape is reached.
3. If a fully rewound tape is inserted, the set will be turned off 60 minutes later for a C-60 tape, 90 minutes later for a C-90 tape, and 120 minutes later for a C-120 tape.

- When connected to an audio timer (optional), unattended recording and morning alarm playback are possible.

Unattended Recording

① Tune to the desired broadcast station.
② Set the timer to switch on at the desired time. (This results in the radio being turned off).
③ Set the [POWER] switch ㉚ to the " ⊓ OFF/SLEEP" position.
④ Set the cycle change lever ⑮ to 1 CYCLE.
⑤ Press the [●RECORD] key ⑳ and [◀PLAY] key ⑲ or [▶PLAY] key ㉑.

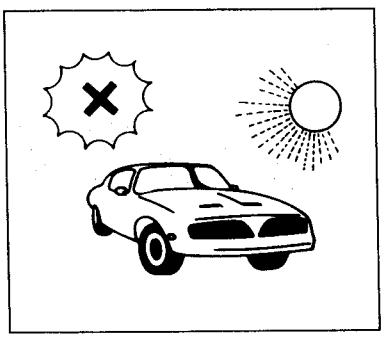
Note: Check the tape travel direction and the amount of remaining tape.

Morning Alarm

① Insert the tape to be played. (If the tape is already being played, press the [■STOP/OPEN] key ⑰ to stop the tape).
② Set the timer to switch on at the desired time. (This results in the radio cassette power being turned off).
③ Press [◀PLAY] key ⑲ or [▶PLAY] key ㉑.

CAUTIONS

1. Use only the power cord supplied. Other cords, if used, may cause problems. (Please refer to the item "AC POWER".)
2. Do not leave your set in an extremely hot place like a closed car exposed to summer sunshine.
3. Please remove the batteries when the unit is not in use.



SPECIFICATIONS

Cassette Tape Used	Normal: C-30, C-60, C-90, C-120 Chrome: C-45, C-60, C-90 Metal: C-46, C-60, C-90
Tape Speed	4.8 cm/sec.
Track System	Four-track two-channel stereophonic
Recording System	AC bias (85 kHz)
Erasing System	AC erasing
Frequency Response	Normal: 80 Hz to 10 kHz Metal: 80 Hz to 12 kHz
Receiving Frequency	FM: 88 MHz to 108 MHz SW2: 7.5 MHz to 22 MHz SW1: 2.3 MHz to 7.5 MHz MW: 525 kHz to 1605 kHz
Intermediate Frequency	FM: 10.7 MHz MW, SW: 455 kHz
Antenna	FM, SW: telescopic antennas MW: ferrite-core antenna
Speakers	120 mm (dia.) dynamic x 2 Passive radiator (120 mm dia.) x 2
Jacks	[MIC] jack x 2, Impedance 200 ohm to 2 k ohm, φ3.5 mm [MIXING MIC] jack x 1, impedance 200 ohm to 2 k ohm, φ6.3 mm [AUX/PHONO] jack x 2, Impedance 20 k ohm, pin-type [LINE OUT] jack x 2, Impedance 4.7 k ohm, pin-type [SPEAKER] jack x 2, Impedance 2.5 ohm to 8 ohm, φ3.5 mm [PHONES] jack headphone, φ6.3 mm
Power Supply	AC 100 to 115 V, 120 to 127 V, 200 to 220 V, 230 to 250 V, 50/60 Hz DC 15 V (SUM-1 "D" size x 10) External DC power [DC 12-15 V] jack, (5.0 mm dia.) center pin "positive" pole.
Power Consumption	40 W
Dimensions	(W) 649 mm x (H) 263 mm x (D) 200 mm
Weight	9.4 kg (without batteries)

Specifications are subject to change for improvement.